Hurricane Ivan Composite Model Results

Landfall Expected Within *2* Days

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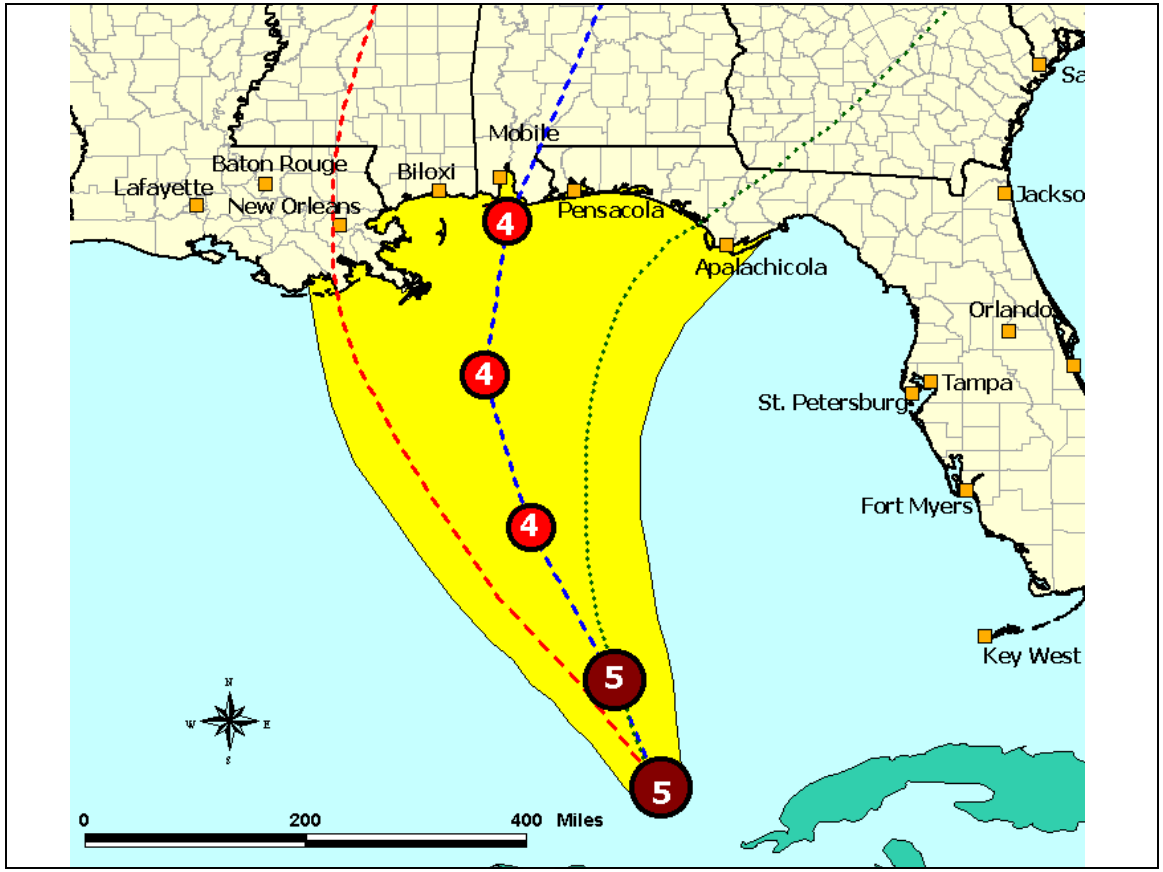

Information provided on the following pages display the most probable hurricane track based on information from the National Hurricane Center (NHC) and **2** alternate scenarios. A change either east or west of the NHC forecast will cause different amounts of damage within the zone of probable landfall. These projections are based on information from the NHC (0500 – 09/14/2004) forecast.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Probable Landfall Zone

Historic Track

Model Tracks

Least Damage Track

Most Damage Track

NHC Forecast Track

Tropical Storm

Category 1 Hurricane

Category 2 Hurricane

Category 3 Hurricane

Category 4 Hurricane

US Army Corps of Engineers

Hurricane Ivan Composite

Sources:
HURREVAC
LRL-DEBRIS

CELRL-OP GIS Group

Generated By:
Terry Siemsen

Generated Date:
0630 EDT
09/14/2004

Hurricane Ivan Model Results

Landfall Expected Within *2* Days

Values Provided For Planning Purposes

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		Ice/Water Commodities - Trucks/Distribution Lanes Ramp-up (Number of Trucks Each Commodity and Lanes Anticipated - end of each day)					
					Commodity Trucks	Within Hurricane Force Winds	
	Debris (cu yds)	Day One (25%)*	Day Two (50%)*	Day Three (100%)*	Day 1-3 Total	Population	Households
NHC Forecast Track							
Florida	5,000,000	32	32	32	96	400,000	145,000
Alabama	9,500,000	13	26	52	91	650,000	250,000
Mississippi	500,000	2	4	7	13	90,000	35,000
Total	**15,000,000**	**47**	**62**	**91**	**200**	**1,140,000**	**430,000**
Maximum Damage Track							
Louisiana	20,000,000	30	60	120	210	1,500,000	540,000
Mississippi	214,000	7	14	8	29	94,000	35,000
Total	**20,214,000**	**37**	**74**	**128**	**239**	**1,594,000**	**575,000**
Minimum Damage Track							
Florida	6,500,000	40	40	40	120	505,000	200,000
Georgia	400,000	4	8	16	28	200,000	74,000
Total	**6,900,000**	**44**	**48**	**56**	**148**	**705,000**	**274,000**

Key assumption is that establishment of distribution lanes will be the limiting factor.

* Assumption is that States/locals (FL is the * exception) will have the capability to establish about 25% of needed distribution lanes in the first 24 hours post-landfall, about 50% of needed distribution lanes in the first 48 hours after landfall, and all needed lanes by 72 hours post landfall. Florida, due to past experience, estimates they can establish up to 50 distribution lanes per day.

Information provided on the following pages display the **most probable hurricane track** based on information from the National Hurricane Center (NHC) and alternate **worst-case possible scenarios for each state** in the NHC error cone. These projections are based on information from the NHC (0500 – 09/14/2004) forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Ivan 2-Day Model

Generated By: Terry Siemsen
Generated Date:

Sources:
HURREVAC
LRL-DEBRIS